CLAIMS

1. (Previously Presented) An optical scanner, comprising:

a document platform to support a document;

a light source to generate light for reflecting from the document;

a driving mechanism to drive movement of one or more components of the optical scanner, said driving of the one or more components to control which portion of the document reflects the light;

a light sensing device to receive the reflected light;

an optical component located on a light path for the reflected light, the optical component configured to pivot;

a vibration sensor positioned to detect vibration that is caused by the driving mechanism and that is associated with the light sensing device;

a controller connected to the vibration sensor, the controller configured to produce an actuator signal corresponding to the sensed vibration; and

an actuator coupled to the controller and to the optical component, the actuator configured to pivot the optical component according to the actuator signal.

2. (Previously Presented) The optical scanner of claim 1, wherein the optical component comprises a mirror, and wherein pivoting the mirror dynamically re-positions the light path to account for the detected vibration.

3. (Cancelled)

4. (Currently amended) A method of compensating for vibration of an optical device, the method comprising:

providing light representing at least a portion of a document located on a document platform of the optical device;

utilizing a driving mechanism to drive one or more components of the optical device, said driving of the one or more components to control which portion of the document is illuminated;

directing light representing the document to a light sensing device;

measuring vibration associated with the [[a]] light sensing device using a vibration sensor;

converting the measured vibration into an actuator signal; and

adjusting a light path that intersects the light sensing device by repositioning an optical component according to the actuator signal, the adjustment of the light path maintaining [[of]] a position of the provided light on the light sensing device.

5. (Previously Presented) The method of claim 4, wherein the optical component comprises a mirror, and wherein the mirror is pivoted according to the actuator signal.

6. (Cancelled)

7. (Currently amended) An apparatus, comprising:

means for supporting a document;

means for reflecting light from at least a portion of the document, the reflected light representing the portion of the document;

means for driving movement of one or more components of the apparatus to control which portion of the document reflects the light;

means for guiding the reflected light to a light sensing device of the apparatus;

means for sensing a vibration of the [[a]] light sensing device of the apparatus;

means for converting said vibration to an actuator signal; and

means for adjusting an optical assembly of the apparatus according to the actuator signal.

8. (Previously presented) The apparatus of claim 7, wherein said means for adjusting said optical assembly comprises means for adjusting one or more mirrors.

9-10. (Cancelled)

11. (Previously presented) The optical scanner of claim 1 wherein said light sensing device comprises a charge-coupled device.

12. (Currently amended) An apparatus, comprising:

a document platform to support a document;

a driving mechanism to drive movement of one or more components of the optical scanner, said driving of the one or more components to control which portion of the document is illuminated;

a light sensing device to receive light representing at least a portion of the document;

a vibration sensor to detect vibration of said light sensing device and produce a corresponding control signal; and

an optical assembly configured to correct for the detected vibration of the light sensing device according to the corresponding control signal.

13. (Previously presented) The apparatus of claim 12, wherein:

said optical assembly comprises one or more mirrors.

14. (Previously presented) The apparatus of claim 12 wherein said light sensing device comprises a charge coupled device.

15. (Cancelled)

16. (Previously Presented) The optical scanner of claim 1, wherein the optical component is adjustable such that the sensed vibration is correctable independently of whether the light sensing device is adjustable.

17. (Previously presented) The optical scanner of claim 16, wherein said vibration sensor is configured to detect vibration of the light sensing device in any of the X, Y, or Z directions.

18. (Previously presented) The method of claim 4, wherein adjustments to the light path are selected to cause the light path to intersect the light sensing device at a constant fixed location on the light sensing device.

19. (Previously Presented) The method of claim 4, wherein the light path is adjusted to correct for the measured vibration independently of whether the light sensing device is adjustable.

20. (Previously presented) The method of claim 19, further comprising measuring vibration of the light sensing device in any of the X, Y, or Z directions.

21. (Cancelled)

22. (Previously presented) The apparatus of claim 7, wherein said means for sensing the vibration of the light sensing device further comprises means for detecting movement.

23-25. (Cancelled)

26. (Previously Presented) The apparatus of claim 16 , wherein said vibration sensor is further capable of detecting movement in any of the X, Y, or Z directions.

27. (Cancelled)

28. (Previously Presented) The optical scanner of claim 1 wherein the one or more components include the optical sensor.